

S/N 09/934,122

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Schechter, et al.	Examiner:	Qing Yuan Wu
Serial No.:	09/934,122	Group Art Unit:	2128
Filed:	August 20, 2001	Docket No.:	40062.0255USU1
Title:	METHOD AND SYSTEM FOR INTERACTING WITH DEVICES HAVING DIFFERENT CAPABILITIES		

DECLARATION UNDER 37 CFR 1.131

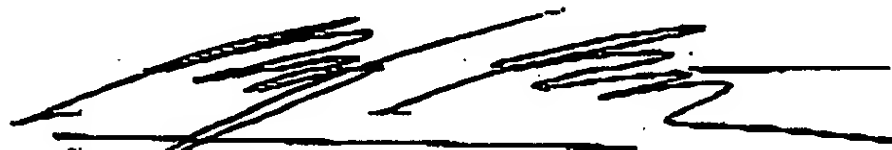
I, Greg D. Schechter, hereby declare as follows:

1. I am a joint inventor named on U.S. Patent Application Serial No. 09/934,122, filed August 20, 2001 (hereinafter, "the present application").
2. I am also a joint inventor named on the provisional patent application to which the present application claims benefit of priority. I am aware that the serial number for this provisional application is 60/276,394.
3. I am aware of the first Office Action in the present application mailed December 21, 2004, in which U.S. Patent Application Publication No. 2002/0129016A1 to Christfort in view of Ndili (US PG Pub 2002/0161928A1) was cited by Examiner Qing Yuan Wu as a basis for rejecting all pending claims of the present application under 35 USC § 103(a).
4. I am aware of an Amendment in the present application being filed in response to the first Office Action and that this declaration is attached to the Amendment as part of Exhibit A.
5. The invention set forth in each of the rejected claims 1-20 in the present application was conceived and reduced to practice by me and the other inventors listed on the present application in this country at least as early as September 6, 2000, the filing date of the Christfort et al. patent application. The present invention was first primarily implemented through the object base classes named HtmlCoreAdapter and WmlCoreAdapter. By August 17, 2000 these two base classes had been separated into the base classes PageAdapter and TextControlAdapter for each of the Html and Wml languages. These base classes appear by name in FIG. 6 of the present application.

Exhibit B includes two e-mail messages between myself and the other named inventors regarding the reduction to practice of the software embodiments of the invention. The first e-mail message, dated August 14, 2000, indicates that the software that embodies the present invention "compiled and ran on both ASP+ 1919 and 2009" and "ran Kris' test.aspx page before and after these changes and on HTML and WML devices" indicating that the present invention was reduced to practice at least by August 14, 2000. The second e-mail message includes a chain of e-mails documenting the further testing of the invention and provides a detailed list of the files changed on August 17, 2000. This e-mail chain documents that at least on August 17, 2000 we had reduced to practice what is essentially the current implementation of the invention as claimed and the implementation was operable as indicated in the "testing" section that the runtime ran with no problem.

6. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such false statements may jeopardize the validity of the application or any patent issued thereon.

Date April 4, 2005


Greg D. Schechter

S/N 09/934,122

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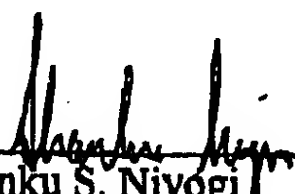
I, Shanku S. Niyogi, hereby declare as follows:

1. I am a joint inventor named on U.S. Patent Application Serial No. 09/934,122, filed August 20, 2001 (hereinafter, "the present application").
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Date MARCH 8, 2005


Shanku S. Niyogi

S/N 09/934,122

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I, David J. Kurlander, hereby declare as follows:

1. I am a joint inventor named on U.S. Patent Application Serial No. 09/934,122, filed August 20, 2001 (hereinafter, "the present application").
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Date 3/30/2005


David J. Kurlander

S/N 09/934,122

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I, Kris N. Nye, hereby declare as follows:

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Date

20 MAR 05
Kris N. Nye

From: Greg Schechter [gregsc@windows.microsoft.com]

Sent: Monday, August 14, 2000 3:30 PM

To: Adaptive UI Check-In Mail

Subject: checkin: controls/device extensibility mechanism

Bug #s:

The Issue(s):

- We now have a semi-real way of registering new device and control handlers for the system.
- This checks in the structure for registering and instantiating page and control handlers for any supported device in such a way that, without any code modification, third parties can plug in:
 - New controls that work across the existing range of devices,
 - New devices that work across the existing range of controls,
 - New control / new device combinations
- New classes ControlsConfig and IndividualDeviceConfig, and a new interface, IDeviceSelectionPredicate, have been added.
- To follow the logic of how this works, trace through MobilePage.GetAdapter() and MobilePage.GetControlAdapter().
- Much thanks to KrisN for some simplifying comments on my original draft of this.
- There's still a bunch of work to do here:
 - The Html and Wml control adapters are all glommed together into a single HtmlCoreAdapter and WmlCoreAdapter. We're better served by separating these out.
 - The actual specification of the configuration belongs in a config.web file. For the time being, it's hardcoded into a data structure in ControlsConfig.cs. This needs to be moved out and a config.web ConfigurationSectionHandler needs to be written.
 - The actual device selection predicates used are astonishingly stupid. Fixing is waiting on more appropriate device id/grouping mechanisms from JohnRin (which may also affect the signature of the IDeviceSelectionPredicate interface) and actual identification of the devices to support.
- **Control Developers:** (Frank, Kris, Shanku)... use the structure set forth in ControlsConfig.FakePopulate() to add new control handlers for now until we move them to config.web

Testing:

compiled and ran on both ASP+ 1919 and 2009.

Buddy built on another machine.

Ran Kris' test.aspx page before and after these changes and on HTML and WML devices.

Visual Studio build #:

ASP+/NGWS runtime build #: 1919 and 2009

Risk:

Medium. Manner in which pretty fundamental choices are made has changed.

Code reviewed by:

Files changed:

\$/AUI/Source/Mobile/UI:

```
AdRotator.cs          -- don't override GetAdapter()  
anymore  
ControlsConfig.cs     --  
added  
IDeviceSelectionPredicate.cs --  
added  
IndividualDeviceConfig.cs --  
added  
MobilePage.cs         -- use "real" way of device and adapter  
determination
```

\$/AUI/Source/Mobile/UI/Adapters:

```
HtmlCoreAdapter.cs    -- added  
HtmlPredicate  
WmlCoreAdapter.cs     -- added  
WmlPredicate
```

From: Greg Schechter [gregsc@windows.microsoft.com]
Sent: Monday, August 21, 2000 10:25 PM
To: Kris Nye
Cc: Shanku Niyogi
Subject: RE: checkin: modified adapter structure

Hi Kris...

I wish you hadn't made these changes to ControlsConfig and IndivDeviceConfig before I got back. The compile time binding changes you made make sense if the FakePopulate approach was going into the final product, but since it's just a standin until the stuff gets moved to config.web, where "new" and "typeof" won't be available, we're just going to have to go in and rip out the changes you made and put back in the late bound stuff when we go and do the config.web stuff...

Greg

-----Original Message-----

From: Kris Nye
Sent: Thursday, August 17, 2000 11:42 AM
To: Adaptive UI Check-In Mail
Subject: checkin: modified adapter structure

**Manual Step:
Delete**

**/UI/ControlsConfig.cs => private class defined in
MobilePage.cs**
**/UI/IndividualDeviceConfig.cs => private class defined in
MobilePage.cs**
**/UI/Adapters/WmlCoreAdapter.cs => replaced by
WmlPageAdapter and WmlTextControlAdapter**
**/UI/Adapters/HtmlCoreAdapter.cs => replaced by
HtmlPageAdapter and HtmlTextControlAdapter**

The controls which were supported by the *CoreAdapters has been broken into separate adapters.

New adapters for controls:

MobilePage, Form, Panel	=>	*PageAdapter
Label, Link, Command, Call, TextBox, TextArea	=>	*TextControlAdapter
Image	=>	*ImageAdapter
List, [ListItem]	=>	*ListAdapter

For new controls:

Foo => HtmlFooAdapter, WmlFooAdapter

Bug #s:**The Issue(s):**

- new PageAdapters and TextAreaAdapters
- Alignment.Align enum renamed to just Alignment
- *ImageAdapter renders tweaked for Alignment change
- ImageDesigner render tweaked for Alignment change
- ControlsConfig tweaked to allow compile-time binding for FakePopulate

Testing:

ran runtime drt

Risk:**Code reviewed by:****Files changed:**

Image.cs	Krisn	8/17/00	11:27a	Checked in
\$/AUI/Source/Mobile/UI				
MobilePage.cs	Krisn	8/17/00	11:27a	Checked in
\$/AUI/Source/Mobile/UI				
Adapters/WmlTextCont	Krisn	8/17/00	11:25a	Added
WmlTextControlAdapter.cs				
rolAdapter.cs				
Adapters/WmlPageAdap	Krisn	8/17/00	11:25a	Added
WmlPageAdapter.cs				
ter.cs				
Adapters/WmlImageAda	Krisn	8/17/00	11:25a	Added
WmlImageAdapter.cs				
pter.cs				
Adapters/HtmlTextCon	Krisn	8/17/00	11:25a	Added
HtmlTextControlAdapter.cs				
trolAdapter.cs				
Adapters/HtmlPageAda	Krisn	8/17/00	11:25a	Added
HtmlPageAdapter.cs				
pter.cs				
Adapters/HtmlImageAd	Krisn	8/17/00	11:25a	Added
HtmlImageAdapter.cs				
apter.cs				
Adapters/WmlControlA	Krisn	8/17/00	11:25a	Checked in
\$/AUI/Source/Mobile/UI/Ada				
dapter.cs				
pters				
Adapters/ControlAdap	Krisn	8/17/00	11:25a	Checked in

\$/AUI/Source/Mobile/UI/Adapters/

WmlCoreAdapter.cs
Krisn
8/17/00 11:24a Deleted

HtmlCoreAdapter.cs
Krisn
8/17/00 11:24a Deleted

ControlsConfig.cs
Krisn
8/17/00 11:22a Deleted

IndividualDeviceConfig.cs
Krisn
8/17/00 11:22a Deleted